

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Malta et al.

Group Art Unit 1765

Serial No. 10/628,189 Filed: July 28, 2003

For: Growth of Ultra-High Purity Silicon

Carbide Crystals in an Ambient Containing

Hydrogen

July 7, 2004

Commissioner for Patents Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT CITATION UNDER 37 C.F.R. § 1.97

Sir:

Attached is an information disclosure statement by applicants citing nine patents and three non-patent documents. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and MPEP § 609.

Applicants are providing copies of citation number nine (*i.e.*, EP 0 561 462) and citation numbers 10, 11, and 12 (*i.e.*, the three non-patent documents.) Applicants are, however, not providing copies of the remaining cited U.S. patents as the U.S. Patent Office has waived the requirement under 37 CFR 1.98 (a) (2) (i) for submitting copies of cited U.S. Patents for all national patent applications filed after June 30, 2003. We will provide copies of these patents upon request.

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Applicants are filing this information disclosure statement before the mailing of a first Office action on the merits. Accordingly, it is submitted that no fee is required for this submission. The Commissioner is, however, authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account No. 50-0332.

Respectfully submitted,

Philip Summa Reg. No. 31,573

021176 Summa & Allan, P.A. 11610 North Community House Road, Suite 200 Ballantyne Corporate Park Charlotte, North Carolina 28277-2162

Telephone: 704-945-6700 Facsimile: 704-945-6735

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 7, 2014.

Philip Summa

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Complete if Known Substitute for form 1449A/PTO **Application Number** 10/628,189 Filing Date 07/28/2003 INFORMATION DISCLOSURE First Named Inventor David P. Malta STATEMENT BY APPLICANT Art Unit 1765 Examiner Name (Use as many sheets as necessary)

Attorney Docket Number 5000.301 2

			U.S. PATENT		
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	^{US-} 6,218,680	04-17-2001	Carter, Jr. et al.	
***************************************	2	^{US-} 6,200,917	03-13-2001	Carter et al.	
	3	^{US-} 5,611,955	03-18-1997	Barrett et al.	
	4	^{US-} 5,718,760	02-17-1998	Carter et al.	
	5	^{US-} 5,151,384	09-29-1992	Williams	
	6	^{US-} 5,709,745	01-20-1998	Larkin et al.	
	7	^{US-} 6,201,342	03-13-2001	Hobart et al.	
	8	^{US-} 6,113,451	09-05-2000	Hobart et al.	
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FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ 'Kind Code ⁵ (<i>ff known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶			
	9	EP 0 561 462 A2	09-22-1993	Philips Electronics UK					
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Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute fo	r form 1449B/PTO			Complete if Known			
				Application Number	10/628,189		
INFO	RMATION DI	SCLO	SURE	Filing Date	07/28/2003		
STAT	EMENT BY A	APPLI	CANT	First Named Inventor	David P. Malta		
				Art Unit	1765		
	(Use as many sheets as	necessary))	Examiner Name			
Sheet	2	of	2	Attorney Docket Number	5000.301		

NON PATENT LITERATURE DOCUMENTS						
Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²				
10	T. FURUSHO, S.K. LILOV, OHSHIMA, S. NISHINO; Crystal growth of silicon carbide in hydrogen atmosphere by sublimation close space technique; Journal of Crystal Growth 237-239 (2002) 1235-1238 Elsevier Science B.V. Japan					
11	I.G.IVANOV, C HALLIN, A.HENRY, O.KORDINA, E.JANZEN; Nitrogen doping concentration as determined by photoluminescence in 4H-and 6H-SiC; J. Appl. Phys. 09-15-1996 3504-3508 American Institute of Physics					
12	J.R. JENNY, St. G. MULLER, A.POWELL, V.F. TSVETKOV, H.McD.HOBGOOD, R.C. GLASS, & C.H.CARTER; High Purity Semi-Insulating 4H-SiC Grown by the Seeded Sublimation Method; Preprint-2001 Electronic Materials Conference-submitted to Journal of Electronic Materials, U.S.A					
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	No. ¹ 10 11	Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. T. FURUSHO, S.K. LILOV, OHSHIMA, S. NISHINO;Crystal growth of silicon carbide in hydrogen atmosphere by sublimation close space technique;Journal of Crystal Growth 237-239 (2002) 1235-1238 Elsevier Science B.V. Japan. I.G.IVANOV, C HALLIN, A.HENRY, O.KORDINA, E.JANZEN; Nitrogen doping concentration as determined by photoluminescence in 4H-and 6H-SiC; J. Appl. Phys. 09-15-1996 3504-3508 American Institute of Physics J.R. JENNY, St. G. MULLER, A.POWELL, V.F. TSVETKOV, H.McD.HOBGOOD, R.C. GLASS, & C.H.CARTER; High Purity Semi-Insulating 4H-SiC Grown by the Seeded Sublimation Method;				

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Examiner	Date		
Signature	 Considered		

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